

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	42	"5803914"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/08 18:18
S2	841	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:24
S3	395	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:24
S4	76	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:26
S5	71	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:31
S6	27	heart and ((contrast or color\$3) near (differ\$4 or compar\$4)) and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:52
S7	48	heart and ((contrast or color\$3) near (differ\$4 or compar\$4)) and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and tissue\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:52
S8	2	"20020131628"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 17:42

## EAST Search History

S9	1	"10800433"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:00
S10	1691	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:10
S11	1401	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:10
S12	883	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:11
S13	898	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:11
S14	69	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and cad	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:11

# EAST Search History

S15	118	("20010012913"   "20010029333"   "20010031919"   "20010036245"   "20020016541"   "20020031204"   "20020032377"   "20020035321"   "20020042566"   "20020070970"   "20020077540"   "20020077541"   "20020082498"   "20020087075"   "20020095313"   "20020127523"   "20020167533"   "20030000535"   "20030018251"   "20030038802"   "20030069494"   "20030078494"   "20030095697"   "20030114750"   "20030187362"   "20040049115"   "20040049116"   "20040153128"   "20040176678"   "20040176679"   "20050043609"   "4436684"   "5072384"   "5151856"   "5235510"   "5239591"   "5273038"   "5319551"   "5360006"   "5375156"   "5433199"   "5435310"   "5450850"   "5509084"   "5533085"   "5559901"   "5570430"   "5601084"   "5633951"   "5684398"   "5687737"   "5704791"   "5734739"   "5755577"   "5757877"   "5779634"   "5791908"   "5800177"   "5800178"   "5807256"   "5817022"   "5839440"   "5889524"   "5892515"   "5902239"   "5920660"   "5923770"   "5947899"   "5954648"   "5963211"   "6024705"   "6045512"   "6047090"   "6106466"   "6185447"   "6190320"   "6201165"   "6205349"   "6205411"   "6230048"   "6241699"   "6268730"   "6298112"   "6315735"   "6346940"   "6366684"   "6373920"   "6415048"   "6421565"   "6438403"   "6442417"   "6445183"   "6447453"   "6447454"   "6454712"   "6454776"   "6468218"   "6470070"   "6473488"   "6473634"   "6482146"   "6487432"   "6493571"   "6496560"   "6510337"   "6522324"   "6526307"   "6535623"   "6545678"   "6557558"   "6559641"   "6563941"   "6573717"   "6574304").PN. OR ("6587541"   "6608916"   "6608917"   "6628743").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/19 22:15
S16	451	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:34

## EAST Search History

S17	167040	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2 reconstruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:35
S18	184	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2 and reconstruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:35
S19	12	implant near image\$2 and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:47
S20	239	implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:47
S21	19	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3) near4 implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:48
S22	22	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:58
S23	107	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 implant same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:58
S24	1478	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 23:03

## EAST Search History

S25	445	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 23:04
S26	83	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) same patient near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 23:22
S27	14	"6345200"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 23:34
S28	1	("5709711").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/19 23:35
S29	19	patient same specific same simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 00:35
S30	3	patient same specific same implant\$2 and simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 00:41
S31	70	implant\$2 and simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 00:41
S32	55	simulation same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 00:51
S33	101	simulat\$4 same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 01:28
S34	28	simulat\$4 and implant\$4 same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 01:29
S35	3920	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) and (implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/20 14:23

## EAST Search History

S36	385	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) same(implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/20 14:24
S37	44	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) same(implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon) and (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/20 14:25
S38	5	("20020119177"   "20030113301"   "20030180266"   "3855196"   "6659995").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:40
S39	12	("20010033857"   "20020182241"   "5227979"   "5680317"   "5762125"   "6013853"   "6143293"   "6192327"   "6233499"   "6306424"   "6365149"   "6534084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:43
S40	1625	434/262-272.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:54
S41	480	434/262-272.ccls. and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:55
S42	58	434/262-272.ccls. and (cardiac or heart) and patient near specific	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:55
S43	61	434/262-272.ccls. and (cardiac or heart) and patient\$2 near specific	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:55
S44	26	("20010047251"   "4918620"   "5099846"   "5155435"   "5208768"   "5297054"   "5298115"   "5487012"   "5522402"   "5552995"   "5683243"   "5704791"   "5741215"   "5754738"   "5768134"   "5771310"   "5797849"   "5824085"   "5871018"   "6038488"   "6106301"   "6112109"   "6205411"   "6315553"   "6327491"   "6463351").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 15:01
S45	13650	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 18:39

## EAST Search History

S46	82459	(heart or cardiac) and (implant\$3 or (medical near (instrument\$3 or device\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 18:49
S47	13650	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 18:50
S48	62	S46 and S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 18:50
S49	1635	customiz\$5 same implant\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 19:00
S50	13650	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 19:03
S51	1635	customiz\$5 same implant\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 19:03
S52	11	S50 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 19:03
S53	0	paladin near medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:42

## EAST Search History

S54	168	paladin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:42
S55	4096	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:52
S56	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:52
S57	22	S55 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:53
S58	10127	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or balloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:53
S59	34	S56 and S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:54
S60	834	(custom or customiz\$5) near (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or balloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:54
S61	122	(custom or customiz\$5) near (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or balloon\$3) and cardiac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:55



## EAST Search History

S62	219	(custom or customiz\$5) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and cardiac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:03
S63	286	(custom or customiz\$5) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:25
S64	742	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:25
S65	41	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:26
S66	30	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:27
S67	128	helix near medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:42
S68	12	jarvick	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:51
S69	1326	jarvik	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:56

## EAST Search History

S70	710	jarvik and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:56
S71	10127	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:56
S72	26	S69 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:56
S73	3460	(design\$3 or manufactur\$3) same (custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:05
S74	668	(design\$3 or manufactur\$3) same (custom or customiz\$5) same patient\$2 same specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:05
S75	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:07
S76	6	S74 and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:07
S77	356	(design\$3 or manufactur\$3) same (custom or customiz\$5) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:08

## EAST Search History

S78	117	623/1.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:33
S79	3363	(design\$3 or manufactur\$3) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:16
S80	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:17
S81	27	S79 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:17
S82	1213	623/900-904.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:27
S83	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:28
S84	2	S82 and S83	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:28
S85	3363	(design\$3 or manufactur\$3) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:28

# EAST Search History

S86	13	S82 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:28
S87	24	("4097935"   "4436684"   "4575805"   "4822365"   "4936862"   "4976737"   "5360446"   "5365996"   "5370692"   "5432703"   "5448489"   "5452407"   "5554190"   "5687305"   "5741215"   "5765561"   "5769092"   "5798924"   "5824085"   "5824111"   "6112109"   "6254639"   "6334853"   "6463351").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/22 17:37
S88	27	S83 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:44
S89	55	("4286852"   "4294544"   "4508452"   "4575805"   "4616121"   "4745469"   "4837732"   "4935635"   "5011405"   "5027281"   "5028799"   "5098426"   "5131844"   "5214686"   "5238404"   "5243665"   "5347454"   "5368478"   "5395238"   "5424836"   "5431562"   "5447432"   "5454717"   "5456600"   "5464349"   "5474448"   "5513276"   "5518397"   "5533895"   "5542842"   "5604817"   "5618176"   "5715166"   "5724435"   "5742294"   "5823778"   "5848115"   "5880961"   "5886775"   "5985495"   "5988862"   "5991437"   "6088695"   "6100862"   "6100893"   "6124934"   "6139499"   "6167151"   "6201546"   "6205716"   "6211506"   "6217334"   "6227850"   "6253164"   "R35816").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/22 17:47
S90	3921	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) and (implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:55
S91	31	S83 and S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:55

## EAST Search History

S92	207	implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:58
S93	782	(implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:01
S94	9	S83 and S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:02
S95	61142	(implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:08
S96	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:09
S97	149	S95 and S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:09
S98	2	"20030023266"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 19:03
S99	6	"09428008"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 19:05

## EAST Search History

S10 0	4	"10094730"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 19:07
S10 1	35799	378/1-210.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:16
S10 2	1409	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:17
S10 3	2	S101 and S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:17
S10 4	13	implant near image\$2 and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:18
S10 5	0	S101 and S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:18
S10 6	21385	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:18
S10 7	200	S101 and S106	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:19

## EAST Search History

S10 8	8155	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:19
S10 9	66	S101 and S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:20
S11 0	2	"09828504"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 14:39
S11 1	2	"20020007294"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 14:43
S11 2	2	"20070150052"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 11:37
S11 3	44	albert near4 santilli	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 11:38
S11 4	37	"5326371"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 11:51
S11 5	393	prosthetic\$2 same heart same valves and (xray or MRI or CT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 12:33

## EAST Search History

S11 6	548	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 12:34
S11 7	37	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and CAD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 12:35
S11 8	449	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 12:36
S11 9	251	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3 and imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 13:54
S12 0	2606	james near4 anderson	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 14:33
S12 1	152	james near4 anderson and medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 14:33
S12 2	92	james near4 anderson and medical and patient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 14:34
S12 3	687	(design\$3 or manufactur\$3 or simulat\$3) same (heart or cardiac or ventric\$5 or atri\$5) same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3 and imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 14:34
S12 4	12	("20010033857"   "20020182241"   "5227979"   "5680317"   "5762125"   "6013853"   "6143293"   "6192327"   "6233499"   "6306424"   "6365149"   "6534084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/24 15:14



## EAST Search History

S12 5	8	3di near2 gmbh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 15:41
S12 6	694033	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:15
S12 7	140534	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4)))) and image\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:15
S12 8	8155	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:15
S12 9	1189	S127 and S128	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:15
S13 0	109916	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3 or manufactur\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or valve\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:17
S13 1	2536	S127 and S130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:17
S13 2	2974	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3 or manufactur\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or valve\$3) same (cardiac or heart or atri\$3 or ventricle\$2 or aort\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:21

## EAST Search History

S13 3	237	S127 and S132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:22
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# EAST Search History

S13 4	181	("20010007956"   "20020082689"   "20020095116"   "20020123802"   "20020151970"   "20020183838"   "20020183841"   "20030023300"   "20030023303"   "20030036795"   "20030055496"   "20030078654"   "20030083538"   "20030130730"   "20030130731"   "20030191527"   "20030220684"   "20030225453"   "20030233022"   "20040003819"   "20040030381"   "20040030382"   "20040034320"   "20040039442"   "20040093060"   "20040127979"   "20040148019"   "20040148020"   "20040167620"   "20040186563"   "20040210304"   "20040225354"   "20040249413"   "20040249452"   "20040254600"   "20040260322"   "20040260390"   "20050010285"   "20050021056"   "20050021057"   "20050033446"   "20050055082"   "20050065550"   "20050107810"   "20050137686"   "20050137687"   "20050137688"   "20050137689"   "20050137690"   "20050137691"   "20050137695"   "20050137696"   "20050137699"   "20050137701"   "20050203549"   "20050203614"   "20050209674"   "20050222488"   "20050222489"   "20050228422"   "20050267574"   "20050273160"   "20060004442"   "20060020327"   "20060020332"   "20060020333"   "20060020334"   "20060025750"   "20060025787"   "20060025854"   "20060025855"   "20060041306"   "20060063970"   "20060074485"   "20060100699"   "20060106449"   "20060106450"   "20060129025"   "20060129051"   "20060129235"   "20060149135"   "20060178700"   "20060190030"   "20060229717"   "20060235512"   "20060241656"   "20060252984"   "20060271172"   "20070005133"   "20070027536"   "20070038293"   "20070043435"   "20070050022").PN. OR ("20070185566"   "20080015687"   "20080109073"   "3416562"   "3657744"   "3671979"   "3714671"   "4035849"   "4056854"   "4183102"   "4339831"   "4592340"   "4612011"   "4662885"   "4727873"   "4787899"   "4817600"   "4892541"   "4960424"   "4994077"   "5026383"   "5032128"   "5163897"   "5163953"   "5207695"   "5360444"   "5370685"   "5370691"   "5397351"   "5411552"   "5423851"   "5443499"   "5449385"   "5500011"   "5554185"   "5564978"   "5690570"   "5840081"   "5848964"	US-PGPUB; OR USPAT; USOCR	OFF	2008/10/25 09:21
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## EAST Search History

S13 5	140534	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4)))) and image\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 09:25
S13 6	14	S134 and S135	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 09:25
S13 7	2	"7333643"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 09:29
S13 8	44	"5151856"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 10:16
S13 9	2	("20020007294").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 18:22
S14 0	24	"5612885"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/26 09:29
S14 1	273	heart same valve\$2 near4 size\$2 and shape\$3 and (xray or MRI or CT or cardiogram\$3 or ultrasound\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/26 11:20
S14 2	33	"6893392"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/27 11:21

## EAST Search History

S14 3	1	"10800433"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/28 02:23
S14 4	47	"5803914"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S14 5	908	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S14 6	426	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S14 7	81	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S14 8	75	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S14 9	28	heart and ((contrast or color\$3) near (differ\$4 or compar\$4)) and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S15 0	50	heart and ((contrast or color\$3) near (differ\$4 or compar\$4)) and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and tissue\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S15 1	2	"20020131628"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S15 2	1	"10800433"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S15 3	1728	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S15 4	1431	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S15 5	903	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S15 6	919	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S15 7	70	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and cad	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

# EAST Search History

S15 8	118	("20010012913"   "20010029333"   "20010031919"   "20010036245"   "20020016541"   "20020031204"   "20020032377"   "20020035321"   "20020042566"   "20020070970"   "20020077540"   "20020077541"   "20020082498"   "20020087075"   "20020095313"   "20020127523"   "20020167533"   "20030000535"   "20030018251"   "20030038802"   "20030069494"   "20030078494"   "20030095697"   "20030114750"   "20030187362"   "20040049115"   "20040049116"   "20040153128"   "20040176678"   "20040176679"   "20050043609"   "4436684"   "5072384"   "5151856"   "5235510"   "5239591"   "5273038"   "5319551"   "5360006"   "5375156"   "5433199"   "5435310"   "5450850"   "5509084"   "5533085"   "5559901"   "5570430"   "5601084"   "5633951"   "5684398"   "5687737"   "5704791"   "5734739"   "5755577"   "5757877"   "5779634"   "5791908"   "5800177"   "5800178"   "5807256"   "5817022"   "5839440"   "5889524"   "5892515"   "5902239"   "5920660"   "5923770"   "5947899"   "5954648"   "5963211"   "6024705"   "6045512"   "6047090"   "6106466"   "6185447"   "6190320"   "6201165"   "6205349"   "6205411"   "6230048"   "6241699"   "6268730"   "6298112"   "6315735"   "6346940"   "6366684"   "6373920"   "6415048"   "6421565"   "6438403"   "6442417"   "6445183"   "6447453"   "6447454"   "6454712"   "6454776"   "6468218"   "6470070"   "6473488"   "6473634"   "6482146"   "6487432"   "6493571"   "6496560"   "6510337"   "6522324"   "6526307"   "6535623"   "6545678"   "6557558"   "6559641"   "6563941"   "6573717"   "6574304").PN. OR ("6587541"   "6608916"   "6608917"   "6628743").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S15 9	459	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S16 0	169899	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2 reconstruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S16 1	184	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2 and reconstruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S16 2	15	implant near image\$2 and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S16 3	250	implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S16 4	19	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3) near4 implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S16 5	22	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S16 6	110	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 implant same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S16 7	1518	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00



## EAST Search History

S16 8	452	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S16 9	86	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) same patient near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S17 0	14	"6345200"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S17 1	1	("5709711").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S17 2	19	patient same specific same simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S17 3	3	patient same specific same implant\$2 and simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S17 4	73	implant\$2 and simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S17 5	56	simulation same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S17 6	102	simulat\$4 same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S17 7	28	simulat\$4 and implant\$4 same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S17 8	3976	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) and (implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

# EAST Search History

S17 9	393	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) same(implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S18 0	45	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) same(implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon) and (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S18 1	5	("20020119177"   "20030113301"   "20030180266"   "3855196"   "6659995").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S18 2	12	("20010033857"   "20020182241"   "5227979"   "5680317"   "5762125"   "6013853"   "6143293"   "6192327"   "6233499"   "6306424"   "6365149"   "6534084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S18 3	1642	434/262-272.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S18 4	488	434/262-272.ccls. and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S18 5	61	434/262-272.ccls. and (cardiac or heart) and patient near specific	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S18 6	64	434/262-272.ccls. and (cardiac or heart) and patient\$2 near specific	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S18 7	26	("20010047251"   "4918620"   "5099846"   "5155435"   "5208768"   "5297054"   "5298115"   "5487012"   "5522402"   "5552995"   "5683243"   "5704791"   "5741215"   "5754738"   "5768134"   "5771310"   "5797849"   "5824085"   "5871018"   "6038488"   "6106301"   "6112109"   "6205411"   "6315553"   "6327491"   "6463351").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S18 8	13959	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S18 9	84115	(heart or cardiac) and (implant\$3 or (medical near (instrument\$3 or device\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S19 0	13959	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S19 1	66	S189 and S190	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S19 2	1685	customiz\$5 same implant\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S19 3	13959	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S19 4	1685	customiz\$5 same implant\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S19 5	12	S193 and S194	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S19 6	0	paladin near medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S19 7	174	paladin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S19 8	4208	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S19 9	5955	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S20 0	23	S198 and S199	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S20 1	10327	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or balloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S20 2	35	S199 and S201	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S20 3	853	(custom or customiz\$5) near (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or balloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S20 4	125	(custom or customiz\$5) near (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or balloon\$3) and cardiac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S20 5	227	(custom or customiz\$5) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and cardiac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S20 6	295	(custom or customiz\$5) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S20 7	761	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S20 8	41	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S20 9	30	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S21 0	128	helix near medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S21 1	12	jarvick	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S21 2	1336	jarvik	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S21 3	715	jarvik and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S21 4	10327	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S21 5	28	S212 and S214	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S21 6	3529	(design\$3 or manufactur\$3) same (custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S21 7	684	(design\$3 or manufactur\$3) same (custom or customiz\$5) same patient\$2 same specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S21 8	5955	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S21 9	6	S217 and S218	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S22 0	365	(design\$3 or manufactur\$3) same (custom or customiz\$5) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S22 1	120	623/1.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S22 2	3446	(design\$3 or manufactur\$3) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S22 3	5955	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S22 4	31	S222 and S223	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S22 5	1216	623/900-904.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S22 6	5955	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S22 7	2	S225 and S226	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S22 8	3446	(design\$3 or manufactur\$3) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

# EAST Search History

S22 9	13	S225 and S228	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S23 0	24	("4097935"   "4436684"   "4575805"   "4822365"   "4936862"   "4976737"   "5360446"   "5365996"   "5370692"   "5432703"   "5448489"   "5452407"   "5554190"   "5687305"   "5741215"   "5765561"   "5769092"   "5798924"   "5824085"   "5824111"   "6112109"   "6254639"   "6334853"   "6463351").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S23 1	31	S226 and S228	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S23 2	55	("4286852"   "4294544"   "4508452"   "4575805"   "4616121"   "4745469"   "4837732"   "4935635"   "5011405"   "5027281"   "5028799"   "5098426"   "5131844"   "5214686"   "5238404"   "5243665"   "5347454"   "5368478"   "5395238"   "5424836"   "5431562"   "5447432"   "5454717"   "5456600"   "5464349"   "5474448"   "5513276"   "5518397"   "5533895"   "5542842"   "5604817"   "5618176"   "5715166"   "5724435"   "5742294"   "5823778"   "5848115"   "5880961"   "5886775"   "5985495"   "5988862"   "5991437"   "6088695"   "6100862"   "6100893"   "6124934"   "6139499"   "6167151"   "6201546"   "6205716"   "6211506"   "6217334"   "6227850"   "6253164"   "R35816").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00
S23 3	3976	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) and (implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S23 4	32	S226 and S233	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00



## EAST Search History

S23 5	212	implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S23 6	793	(implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S23 7	9	S226 and S236	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S23 8	62301	(implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S23 9	5955	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S24 0	161	S238 and S239	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S24 1	2	"20030023266"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S24 2	6	"09428008"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S24 3	4	"10094730"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S24 4	36039	378/1-210.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S24 5	1431	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S24 6	2	S244 and S245	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S24 7	15	implant near image\$2 and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S24 8	0	S244 and S247	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S24 9	21662	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S25 0	206	S244 and S249	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S25 1	8274	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S25 2	66	S244 and S251	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S25 3	2	"09828504"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S25 4	2	"20020007294"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S25 5	2	"20070150052"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S25 6	46	albert near4 santilli	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S25 7	37	"5326371"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S25 8	395	prosthetic\$2 same heart same valves and (xray or MRI or CT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S25 9	552	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S26 0	37	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and CAD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S26 1	452	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S26 2	254	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3 and imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S26 3	2618	james near4 anderson	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S26 4	154	james near4 anderson and medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S26 5	94	james near4 anderson and medical and patient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S26 6	700	(design\$3 or manufactur\$3 or simulat\$3) same (heart or cardiac or ventric\$5 or atri\$5) same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3 and imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S26 7	12	("20010033857"   "20020182241"   "5227979"   "5680317"   "5762125"   "6013853"   "6143293"   "6192327"   "6233499"   "6306424"   "6365149"   "6534084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/08 04:00

## EAST Search History

S26 8	8	3di near2 gmbh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S26 9	698968	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S27 0	142536	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4)))) and image\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S27 1	8274	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S27 2	1208	S270 and S271	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S27 3	110788	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3 or manufactur\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or valve\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S27 4	2585	S270 and S273	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S27 5	3014	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3 or manufactur\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or valve\$3) same (cardiac or heart or atri\$3 or ventricle\$2 or aort\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00

## EAST Search History

S27 6	241	S270 and S275	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
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# EAST Search History

S27 7	181	("20010007956"   "20020082689"   "20020095116"   "20020123802"   "20020151970"   "20020183838"   "20020183841"   "20030023300"   "20030023303"   "20030036795"   "20030055496"   "20030078654"   "20030083538"   "20030130730"   "20030130731"   "20030191527"   "20030220684"   "20030225453"   "20030233022"   "20040003819"   "20040030381"   "20040030382"   "20040034320"   "20040039442"   "20040093060"   "20040127979"   "20040148019"   "20040148020"   "20040167620"   "20040186563"   "20040210304"   "20040225354"   "20040249413"   "20040249452"   "20040254600"   "20040260322"   "20040260390"   "20050010285"   "20050021056"   "20050021057"   "20050033446"   "20050055082"   "20050065550"   "20050107810"   "20050137686"   "20050137687"   "20050137688"   "20050137689"   "20050137690"   "20050137691"   "20050137695"   "20050137696"   "20050137699"   "20050137701"   "20050203549"   "20050203614"   "20050209674"   "20050222488"   "20050222489"   "20050228422"   "20050267574"   "20050273160"   "20060004442"   "20060020327"   "20060020332"   "20060020333"   "20060020334"   "20060025750"   "20060025787"   "20060025854"   "20060025855"   "20060041306"   "20060063970"   "20060074485"   "20060100699"   "20060106449"   "20060106450"   "20060129025"   "20060129051"   "20060129235"   "20060149135"   "20060178700"   "20060190030"   "20060229717"   "20060235512"   "20060241656"   "20060252984"   "20060271172"   "20070005133"   "20070027536"   "20070038293"   "20070043435"   "20070050022").PN. OR ("20070185566"   "20080015687"   "20080109073"   "3416562"   "3657744"   "3671979"   "3714671"   "4035849"   "4056854"   "4183102"   "4339831"   "4592340"   "4612011"   "4662885"   "4727873"   "4787899"   "4817600"   "4892541"   "4960424"   "4994077"   "5026383"   "5032128"   "5163897"   "5163953"   "5207695"   "5360444"   "5370685"   "5370691"   "5397351"   "5411552"   "5423851"   "5443499"   "5449385"   "5500011"   "5554185"   "5649078"   "5690570"   "5840081"   "5848964"	US-PGPUB; OR USPAT; USOCR	OFF	2008/12/08 04:00
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## EAST Search History

S27 8	142536	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4)))) and image\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S27 9	14	S277 and S278	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S28 0	2	"7333643"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S28 1	45	"5151856"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S28 2	2	("20020007294").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S28 3	24	"5612885"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S28 4	275	heart same valve\$2 near4 size\$2 and shape\$3 and (xray or MRI or CT or cardiogram\$3 or ultrasound\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S28 5	33	"6893392"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00



## EAST Search History

S28 6	1	"10800433"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:00
S28 7	262	mitral same regurgitation and (velocity or speed) same (fluid or blood)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:12
S28 8	214	mitral same regurgitation and (velocity or speed) same (fluid or blood) and volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:13
S28 9	139	mitral same regurgitation and (velocity or speed) same (fluid or blood) and volume and aorta	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:13
S29 0	764	albert near davis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:36
S29 1	59	albert near davis and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:36
S29 2	12	albert near davis and heart and modification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 04:37
S29 3	46	suresh near mita	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 05:03

## EAST Search History

S29 4	106	gregory near murphy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/08 05:14
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